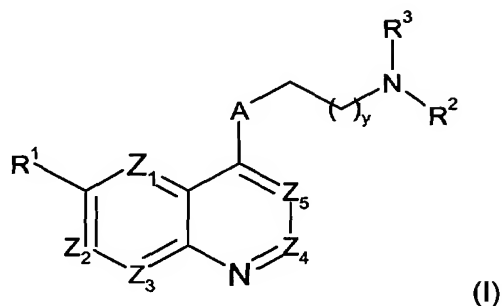


Amendments to the claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

1. (Original) A compound according to formula (I)

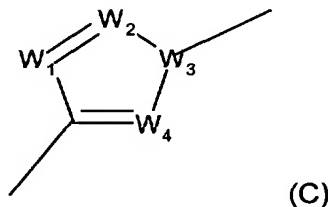


one of Z₁, Z₂, Z₃, Z₄ and Z₅ is N, one is CR^{1a} and the remainder are CH, or
one or two of Z₁, Z₂, Z₃, Z₄ and Z₅ are independently CR^{1a} and the remainder are CH;

R¹ and R^{1a} are independently hydrogen; hydroxy; (C₁₋₆)alkoxy unsubstituted or substituted by (C₁₋₆)alkoxy, amino, piperidyl, guanidino or amidino any of which is optionally N-substituted by one or two (C₁₋₆)alkyl, acyl or (C₁₋₆)alkylsulphonyl groups, CONH₂, hydroxy, (C₁₋₆)alkylthio, heterocyclylthio, heterocycloxy, arylthio, aryloxy, acylthio, acyloxy or (C₁₋₆)alkylsulphonyloxy; (C₁₋₆)alkoxy-substituted(C₁₋₆)alkyl; halogen; (C₁₋₆)alkyl; (C₁₋₆)alkylthio; trifluoromethyl; trifluoromethoxy; nitro; cyano; azido; acyl; acyloxy; acylthio; (C₁₋₆)alkylsulphonyl; (C₁₋₆)alkylsulphoxide; arylsulphonyl; arylsulphoxide or an amino, piperidyl, guanidino or amidino group optionally N-substituted by one or two (C₁₋₆)alkyl, acyl or (C₁₋₆)alkylsulphonyl groups;

provided that when Z₁, Z₂, Z₃, Z₄ and Z₅ are CR^{1a} or CH, then R¹ is not hydrogen;

A is a substituted or unsubstituted 5 membered aromatic heterocyclic ring of formula (C):



wherein:

W_1 and W_2 are each independently selected from N, O, S, and CR^8 ;

W_3 is N or C;

W_4 is N, O, S, or CR^8 ;

each R^8 is independently selected from hydrogen; hydroxy; halogen; trifluoromethyl; trifluoromethoxy; cyano; nitro; azido; acyl; acyloxy; acylthio; amino, mono- and di- (C_{1-6}) alkylamino; and substituted and unsubstituted (C_{1-6}) alkoxy, (C_{1-6}) alkyl, (C_{3-7}) cycloalkyl, aminocarbonyl, (C_{1-6}) alkylthio, (C_{1-6}) alkylsulphonyl, and (C_{1-6}) alkylsulphoxide;

R^2 is hydrogen, or (C_{1-6}) alkyl or (C_{2-6}) alkenyl optionally substituted with 1 to 3 groups selected from:

amino optionally substituted by one or two (C_{1-4}) alkyl groups; carboxy;

(C_{1-4}) alkoxycarbonyl; (C_{1-4}) alkylcarbonyl; (C_{2-4}) alkenyloxycarbonyl;

(C_{2-4}) alkenylcarbonyl; aminocarbonyl wherein the amino group is optionally substituted by hydroxy, (C_{1-4}) alkyl, hydroxy (C_{1-4}) alkyl, aminocarbonyl

(C_{1-4}) alkyl, (C_{2-4}) alkenyl, (C_{1-4}) alkylsulphonyl, trifluoromethylsulphonyl,

(C_{2-4}) alkenylsulphonyl, (C_{1-4}) alkoxycarbonyl, (C_{1-4}) alkylcarbonyl,

(C_{2-4}) alkenyloxycarbonyl or (C_{2-4}) alkenylcarbonyl; cyano; tetrazolyl; 3-hydroxy-3-cyclobutene-1,2-dione-4-yl; 2,4-thiazolidinedione-5-yl; tetrazol-5-ylaminocarbonyl; 5-oxo-1,2,4-oxadiazol-3-yl; halogen; (C_{1-4}) alkylthio; trifluoromethyl; hydroxy optionally substituted by (C_{1-4}) alkyl, (C_{2-4}) alkenyl,

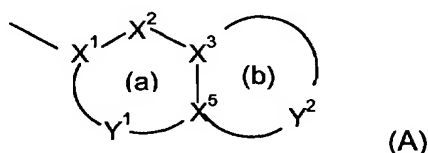
(C_{1-4}) alkoxycarbonyl, (C_{1-4}) alkylcarbonyl, (C_{2-4}) alkenyloxycarbonyl,

(C₂₋₄)alkenylcarbonyl; oxo; (C₁₋₄)alkylsulphonyl; (C₂₋₄)alkenylsulphonyl; or (C₁₋₄)aminosulphonyl wherein the amino group is optionally substituted by (C₁₋₄)alkyl or (C₂₋₄)alkenyl;

R³ is a group -U-R⁴ where

U is selected from CH₂, C=O, and SO₂ and

R⁴ is a substituted or unsubstituted bicyclic carbocyclic or heterocyclic ring system (A):



containing up to four heteroatoms in each ring in which

ring (a) is aromatic and ring (b) is aromatic or non-aromatic;

X¹ is C;

X² is N or CR⁵;

X³ and X⁵ are C;

Y¹ is a 1 to 2 atom linker group, each atom of which is independently selected from N and CR⁵;

Y² is a 2 to 6 atom linker group, each atom of Y² being independently selected from N, NR⁷, O, S(O)_x, CO, CR⁵ and CR⁵R⁶;

each of R⁵ and R⁶ is independently selected from: hydrogen; (C₁₋₄)alkylthio; halo; carboxy(C₁₋₄)alkyl; halo(C₁₋₄)alkoxy; halo(C₁₋₄)alkyl; (C₁₋₄)alkyl; (C₂₋₄)alkenyl; (C₁₋₄)alkoxycarbonyl; formyl; (C₁₋₄)alkylcarbonyl; (C₂₋₄)alkenyloxycarbonyl; (C₂₋₄)alkenylcarbonyl; (C₁₋₄)alkylcarbonyloxy; (C₁₋₄)alkoxycarbonyl(C₁₋₄)alkyl; hydroxy; hydroxy(C₁₋₄)alkyl; mercapto C₁₋₄)alkyl; (C₁₋₄)alkoxy; nitro; cyano; carboxy; amino or wherein the amino group is optionally substituted by (C₁₋₄)alkoxycarbonyl, (C₁₋₄)alkylcarbonyl, (C₂₋₄)alkenyloxycarbonyl, (C₂₋₄)alkenylcarbonyl, (C₁₋₄)alkyl or (C₂₋₄)alkenyl and optionally further substituted by (C₁₋₄)alkyl or (C₂₋₄)alkenyl; or

(C₂₋₆)alkenyl; (C₁₋₄)alkylsulphonyl; (C₂₋₄)alkenylsulphonyl; or aminosulphonyl wherein the amino group is optionally mono- or di-substituted by (C₁₋₄)alkyl or (C₂₋₄)alkenyl; aryl; aryl(C₁₋₄)alkyl; or aryl(C₁₋₄)alkoxy;

each R⁷ is independently hydrogen; trifluoromethyl; (C₁₋₄)alkyl unsubstituted or substituted by hydroxy, (C₁₋₆)alkoxy, (C₁₋₆)alkylthio, halo or trifluoromethyl; (C₂₋₄)alkenyl; aryl; aryl (C₁₋₄)alkyl; arylcarbonyl; heteroarylcarbonyl; (C₁₋₄)alkoxycarbonyl; (C₁₋₄)alkylcarbonyl; formyl; (C₁₋₆)alkylsulphonyl; or aminocarbonyl wherein the amino group is optionally substituted by (C₁₋₄)alkoxycarbonyl, (C₁₋₄)alkylcarbonyl, (C₂₋₄)alkenyloxycarbonyl, (C₂₋₄)alkenylcarbonyl, (C₁₋₄)alkyl or (C₂₋₄)alkenyl and optionally further substituted by (C₁₋₄)alkyl or (C₂₋₄)alkenyl; and
x is 0, 1, or 2;
y is 1, or 2; or a pharmaceutically acceptable salt thereof.

2. (Original) A compound according to claim 1 wherein Z₅ is CH or N, Z₃ is CH or CF and Z₁, Z₂ and Z₄ are each CH, or Z₁ is N, Z₃ is CH or CF and Z₂, Z₄ and Z₅ are each CH.

3. (Original) A compound according to claim 1 wherein R¹ is methoxy and R^{1a} is H or when Z₃ is CR^{1a} it may be C-F.

4. (Currently amended) A compound according to claim 1 wherein ~~heterocyclic~~ heterocyclic ring (C) is substituted or unsubstituted pyrrole, thiophene, furan, thiazole or triazole.

5. (Original) A compound according to claim 1 wherein R² is hydrogen or unsubstituted or substituted (C₁₋₆)alkyl.

6. (Original) A compound according to claim 1 wherein in the heterocyclic ring (A) Y² has 3-5 atoms including NR⁷, O or S bonded to X⁵ and NHCO bonded via N to X³, or O or NH bonded to X³.

7. (Currently amended) A compound according to claim 1 wherein R⁴ is selected from:

4*H*-benzo[1,4]thiazin-3-one-6-yl,
4*H*-pyrido[3,2-*b*][1,4]thiazin-3-one-6-yl,
4*H*-pyrido[3,2-*b*][1,4]oxazin-3-one-6-yl,
1,2,3,4-tetrahydro-[1,8]naphthyridine-7-yl,
1*H*-pyrido[3,2-*b*][1,4]thiazin-2-one-7-yl,
4*H*-benzo[1,4]oxazin-3-one-6-yl,
2,3-dihydro-[1,4]dioxino[2,3-*c*]-pyridin-7-yl, and
6-fluoro-2,3-dihydrobenzo[1,4]dioxine-7-yl.

8. (Original) A compound according to claim 1 which is 3-Oxo-3,4-dihydro-2*H*-benzo[1,4]thiazine-6-sulfonic acid {3-[4-(6-methoxy-[1,5]naphthyridin-4-yl)-[1,2,3]triazol-1-yl)-propyl}amide or 6-{[(2-{4-[6-(methoxy)-1,5-naphthyridin-4-yl]-1,3-thiazol-2-yl}ethyl)amino]methyl}-2*H*-pyrido[3,2-*b*][1,4]thiazin-3(4*H*)-one dihydrochloride
or a pharmaceutically acceptable salt thereof.

9. (Original) A method of treatment of bacterial infections in mammals which comprises the administration to a mammal in need thereof an effective amount of a compound according to claim 1.

10. (Original) A pharmaceutical composition comprising a compound according to claim 1 and a pharmaceutically acceptable carrier for use in the treatment of bacterial infections in mammals.

11. (Original) A pharmaceutical composition comprising a compound according to claim 1, and a pharmaceutically acceptable carrier.